

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

June 2, 2011

**Northwest Regional Office**

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VIA CERTIFIED MAIL 7190 0005 2710 0014 2429

Mr. Robert H. Lange  
U. S. Steel, Gary Works  
1 North Broadway  
Gary, IN 46402

Dear Mr. Lange:

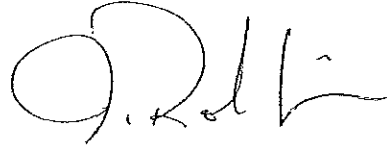
RE: Referral to USEPA, Region 5  
U.S. Steel, Gary Works  
Plant ID Number: 089-00121  
Gary, Lake County

The Indiana Department of Environmental Management (IDEM) has received and reviewed the first quarter deviation and compliance monitoring report for 2011, submitted by United States Steel Corporation – Gary Works. This report identified the following deviations:

1. Permit Conditions C.1(a) and D.7.16: On February 3, 2011, the allowable cast house visible emissions on No. 14 Blast Furnace was exceeded during compliance monitoring.
2. Permit Conditions C.1(a) and D.7.16: On February 23, 2011, the allowable cast house visible emissions of No. 4 Blast Furnace was exceeded during compliance monitoring.
3. Permit Condition D.8.4(b): On February 16, 2011 the allowable roof monitor visible emissions of No. 1 BOP Shop was exceeded during compliance monitoring.
4. Permit Condition D.8.4(b): On February 21, 2011 the allowable roof monitor visible emissions of No. 1 BOP Shop was exceeded during compliance monitoring.
5. Permit Conditions D.2.4(a) and D.2.5(e): On February 3, 2011, the Permittee exceeded the allowable limit of having visible emissions from no more than ten percent (10%) of the observed coke oven doors on any coke battery.

These matters have been referred to USEPA, Region 5 for appropriate action. Please direct any response to this letter and any questions to Dave Sampias at (219) 757-0291.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Robert Simmons". The signature is fluid and cursive, with a large initial "J" and "R".

J. Robert Simmons  
Deputy Director  
Northwest Regional Office

JRS/dcs  
ACES No. 129810  
cc: NWRO

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: U.S. Steel – Gary Works  
Source Address: One North Broadway, Gary, Indiana 46402  
Mailing Address: One North Broadway, Gary, Indiana 46402  
Part 70 Permit No.: T089-7663-00121

Months: January 1 to March 31 Year: 2011

Page 1 of 1

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input checked="" type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
Permit Requirement (specify permit condition #): C.1(a), D.7.16	
Date of Deviation: 2/03/11	Duration of Deviation: 6 minutes
Number of Deviations: 1	
Probable Cause of Deviation: The use of water for cooling on the drill shaft over an extended period of time. <i>#1 BF #2 Tap Hole could not extract drill draft. 21% O<sub>2</sub> ports</i>	
Response Steps Taken: Completed verification of physical location of damper positions and baghouse draft. Add draft indications to hoods. Ensure air inspection reports (visible emission inspections) are distributed to managers to promote prompt investigation of potential issues.	
Permit Requirement (specify permit condition #): C.1(a), D.7.16	
Date of Deviation: 2/23/11	Duration of Deviation: 6 minutes
Number of Deviations: 1 <i>#4 BF</i> <i>21% O<sub>2</sub> ports</i>	
Probable Cause of Deviation: Drill was not aligned properly to drill center of hole.	
Response Steps Taken: Realign drill to mudgun hole and correct mudgun positioning. Add drill location tolerances to procedure.	

US Steel-Gary Works  
Gary, Indiana  
Permit Reviewer: Gail McGarrity

T089-7663-00121

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By:	<u>Jason W. Entwistle</u>
Title/Position:	<u>Division Manager, Iron Producing</u>
Date:	<u>April 18, 2011</u>
Phone:	<u>219.888.4688</u>

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<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input checked="" type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
Permit Requirement (specify permit condition #): D.8.4(b), D.8.14	
Date of Deviation: 2/16/11	Duration of Deviation: 3 minutes
Number of Deviations: 2	
Probable Cause of Deviation: Wet scrap caused a reaction upon the charging of hot metal	
Response Steps Taken: Interim procedure for wet scrap	
Permit Requirement (specify permit condition #): D.8.4(b), D.8.14	
Date of Deviation: 2/21/11	Duration of Deviation: 3 minutes
Number of Deviations: 2	
Probable Cause of Deviation: Wet OP bundles caused a reaction upon the charging of hot metal.	
Response Steps Taken: Continue interim procedure for wet scrap	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By:	<u>Jon P. Michael</u>
Title/Position:	<u>Division Manager, Steel Producing South</u>
Date:	<u>April 18, 2011</u>
Phone:	<u>219.888.4803</u>

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☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☒ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Permit Requirement (specify permit condition #) D.2.4(a), D.2.5(e)

Date of Deviation: 2/03/11

Duration of Deviation: Not applicable

Number of Deviations: 1

Probable Cause of Deviation: 14 door leaks out of 102 observed. *#2 Broken 13.7%*

Response Steps Taken: Sealed leaks on the leaking doors.

Permit Requirement (specify permit condition #) C.1(a) and D.2.5(i) (See Attachment 1)

Date of Deviation:

Duration of Deviation: Not applicable

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By:	<u>James R. Penman</u>
Title/Position:	<u>Division Manager, Coke Operations</u>
Date:	<u>April 18, 2011</u>
Phone:	<u>219.888.4028</u>



Attachment 1

U.S. Steel - Gary Works  
Part 70 Permit No.: T089-7663-00121

Permit Requirement: C.1(a) and D.2.5(i)

Battery No. 2

Dates of Deviation:	01/01/2011 - 03/31/2011
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	162
Probable Cause of Deviation:	Condition of oven walls
Response Steps Taken:	Lower mushroom in air box to to reduce particulates to stack.

Battery No. 5

Dates of Deviation:	01/01/2011 - 03/31/2011
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	61
Probable Cause of Deviation:	Condition of oven walls
Response Steps Taken:	Lower mushroom in air box to to reduce particulates to stack.

Battery No. 7

Dates of Deviation:	01/01/2011 - 03/31/2011
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	111
Probable Cause of Deviation:	Condition of oven walls
Response Steps Taken:	Lower mushroom in air box to to reduce particulates to stack.